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Intelligent Sensors and Sensing Spaces for Smart Home and Environment

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Message from the Collection Editors

Dear Colleagues,

Considerable research has been conducted on smart homes in the domains of architecture, engineering and construction. Many studies on smart homes have dealt with monitoring residents' behaviors and health to provide smart services, allowing the residents to have a comfortable life and independence.

We are currently facing a big challenge due to the COVID-19 pandemic. As a result, many experts are predicting that spatial experience and overall lifestyle will change, calling for new working and living styles and sustainable home environments. Smart homes equipped with sensors could be the center of urban activities; therefore, from a cognitive perspective, sensing spaces would be one of the important research areas toward the realization of smart homes.

The aim of this Special Issue is to contribute to the state of the art and to introduce the current developments on the sensor technologies and sensing spaces for smart homes. We encourage submissions that apply various methodological approaches in original research, systematic reviews, theoretical models or new developments.

Prof. Dr. Han Jong Jun

Prof. Dr. Mi Jeong Kim

Guest Editors



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Topical Collection



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Message from the Editor-in-Chief

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